

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME 3M COMPANY		EMERGENCY TELEPHONE NO. (612) 733-1110
ADDRESS (Number, Street, City, State, and ZIP Code) 3M CENTER, ST. PAUL, MINNESOTA 55101		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS SCOTCHWELD Brand Structural Adhesive	
CHEMICAL FAMILY	FORMULA 2214, Regular	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Resin - bisphenol A type (SPI Class 4)				~ 40	none
Polyglycol diepoxide resin (SPI Class 2)				~ 4	none
Phenyl glycidyl ether (PGE)				~ 1	10ppm

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Contains no solvent	N.A.	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.44
VAPOR PRESSURE (mm Hg.)		N.A.	PERCENT VOLATILE BY VOLUME (%)	Contains no solvent or water
VAPOR DENSITY (AIR=1)		N.A.	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	essentially nil			
APPEARANCE AND ODOR	Gray viscous paste			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Contains no flammable liquids - N.A.	FLAMMABLE LIMITS	N.A.	Lei	Uei
EXTINGUISHING MEDIA	CO <sub>2</sub> , foam, dry chemicals				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None known.				

## SECTION V - HEALTH HAZARD DATA

## THRESHOLD LIMIT VALUE

See Section II.

## EFFECTS OF OVEREXPOSURE

May be irritating to skin. May cause sensitization in some individuals.

## EMERGENCY AND FIRST AID PROCEDURES

EYE Contact: Flush eyes with plenty of water. Call a physician.

SKIN Contact: Wash thoroughly with soap and water. Rinse with water.

## SECTION VI - REACTIVITY DATA

## STABILITY

UNSTABLE

X

## CONDITIONS TO AVOID

Exposure to temperatures above room temperature

STABLE

for prolonged periods of time.

## INCOMPATIBILITY (Materials to avoid)

Strong oxidizing agents.

## HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO<sub>2</sub>, aldehyde and other organics.HAZARDOUS  
POLYMERIZATION

MAY OCCUR

X

## CONDITIONS TO AVOID

Elevated storage temperatures.

WILL NOT OCCUR

## SECTION VII - SPILL OR LEAK PROCEDURES

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Scrape up material before resin cures. Place in a container and hold for disposal.

## WASTE DISPOSAL METHOD

Incinerate properly in accordance with local regulations. Do not landfill.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

## RESPIRATORY PROTECTION (Specify type)

## VENTILATION

## LOCAL EXHAUST

Curing ovens must be vented to the outdoors.

## SPECIAL

## MECHANICAL (General)

Acceptable

## OTHER

## PROTECTIVE GLOVES

Impervious gloves

## EYE PROTECTION

Safety glasses

## OTHER PROTECTIVE EQUIPMENT

## SECTION IX - SPECIAL PRECAUTIONS

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store at 40°F or lower. Allow to return to room temperature before opening. Do

not heat. Avoid eye and skin contact. Avoid breathing fumes during curing.

## OTHER PRECAUTIONS

Launder contaminated clothing before reuse.